CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-04/328h/Cube/2017-18 26.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements of CC Roads in 1st, 8th,11th and 2nd Main dead end roads Maheshwari Nagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/41/2017-18 Dated: 20.04.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	26.05.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.04.2017	26.05.2017	8.128	475.5	21.13
2	28.04.2017	26.05.2017	8.208	490.2	21.79
3	28.04.2017	26.05.2017	8.333	510.7	22.70

*Information is furnished by the Customer/Representative.

Note:

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಮಾಗಡಿರಸ್ತೆ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಾಜೇಂದ್ರನಗರ, ಬೆಂಗಳೂರು

VIDYARANI P.K.
Technical Manager

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Sample Received on	:	26.05.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.04.2017	26.05.2017	8.286	483.7	21.50
2	28.04.2017	26.05.2017	8.328	490.5	21.80
3	28.04.2017	26.05.2017	8.405	513.8	22.84

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AE-13

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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	31.05.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.05.2017	31.05.2017	8.128	506.2	22.50
2	03.05.2017	31.05.2017	8.298	512.4	22.77
3	03.05.2017	31.05.2017	8.337	523.4	23.26

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VIJAYARANI P.R.
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Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	31.05.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.05.2017	31.05.2017	8.298	492.3	21.88
2	03.05.2017	31.05.2017	8.335	508.5	22.60
3	03.05.2017	31.05.2017	8.403	513.2	22.81

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A6-13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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VIDYARANI P.K.
Technical Manager

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.13/GSB-II/GR/2017-18 03.05.2017

TEST REPORT ON GRADATION FOR COARSE GRADED GARNULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Project Sub Division, Dasarahalli Zone, BBMP, Bangalore.
* Agency	:	**Technical Manager,** KRIDL, Bangalore.
* Name of work	:	Improvements of CC Roads in 1st, 8th,11th and 2nd Main dead end roads Maheshwari Nagara in Ward No.13, in Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/41/2017-18 Dated: 20.04.2017
* Sample ID	:	Coarse Graded-II
Technical Reference	:	IS : 2720 (Part - 4), MORTH Table : 400-02
Date of Testing	:	03.05.2017

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
53	-	-	-	100	100
26.5	2255	2255	45.10	54.90	50-80
4.75	1560	3815	76.30	23.70	15-35
0.075	785	4600	92.00	8.00	0-10
PAN	400				
Total	5000				

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-2, Grading II

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ಎಸ್.ಎಂ. ಕೃಷ್ಣನಗರ, ಬೆಂಗಳೂರು

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